FIG. 1

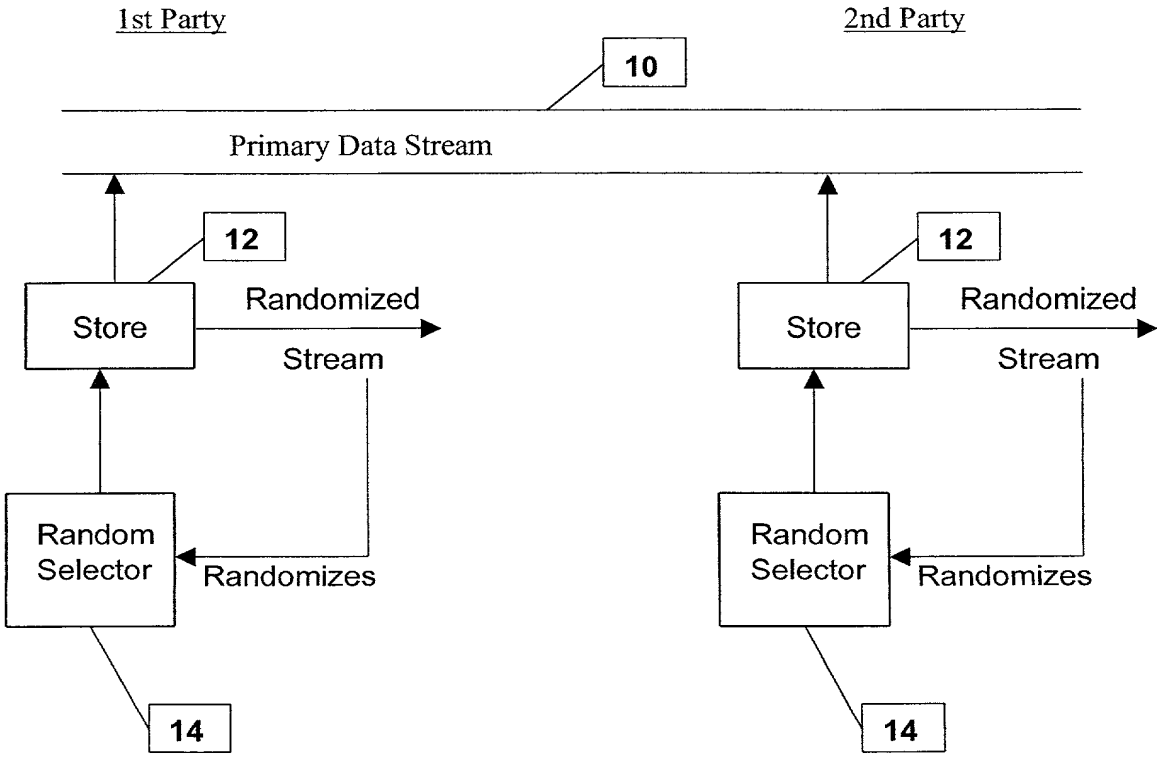
1st Party
2nd Party
10
Primary Data Stream
12
Store
Randomized
Stream
Random
Selector
Randomizes
14
12
Store
Randomized
Stream
Random
Selector
Randomizes
14

FIG. 2

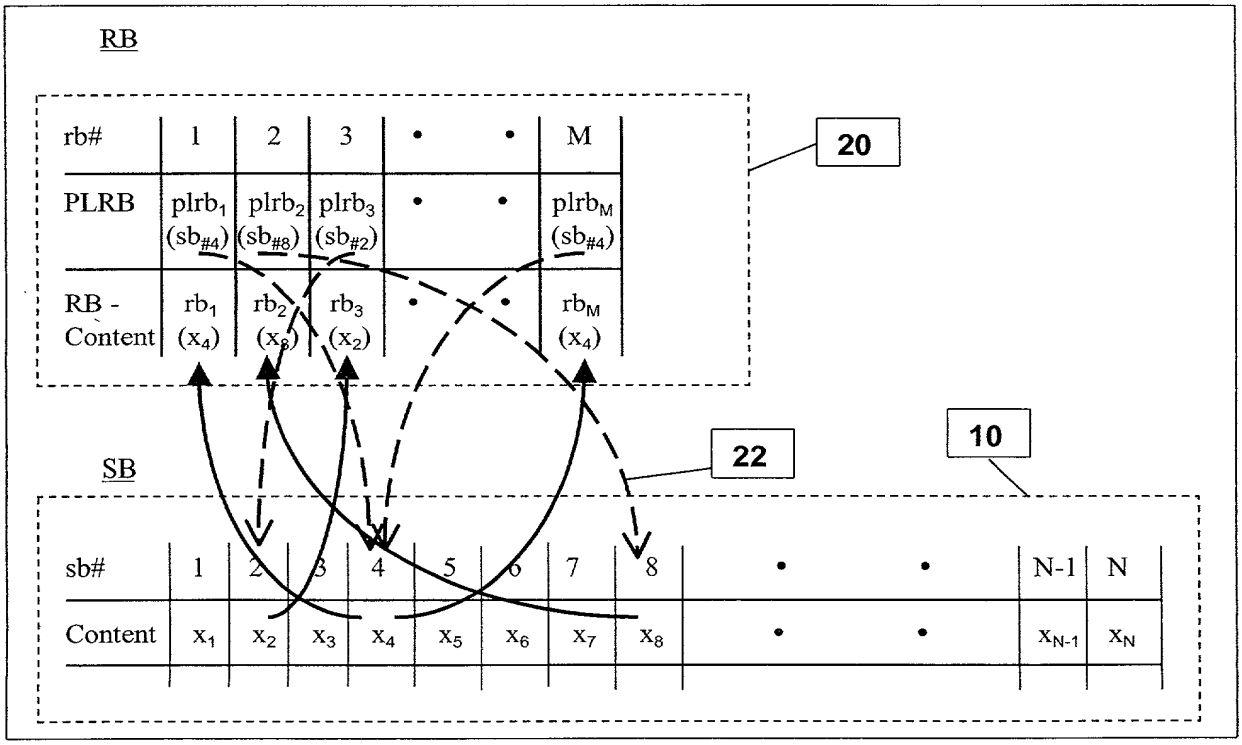
RB
rb#
1
2
3
M
PLRB
plrb1 (sb#4)
plrb2 (sb#8)
plrb3 (sb#2)
plrbM (sb#4)
RB - Content
rb1 (x4)
rb2 (x8)
rb3 (x2)
rbM (x4)
20
22
10
SB
sb#
1
2
3
4
5
6
7
8
N-1
N
Content
x1
x2
x3
x4
x5
x6
x7
x8
xN-1
xN

FIG. 3

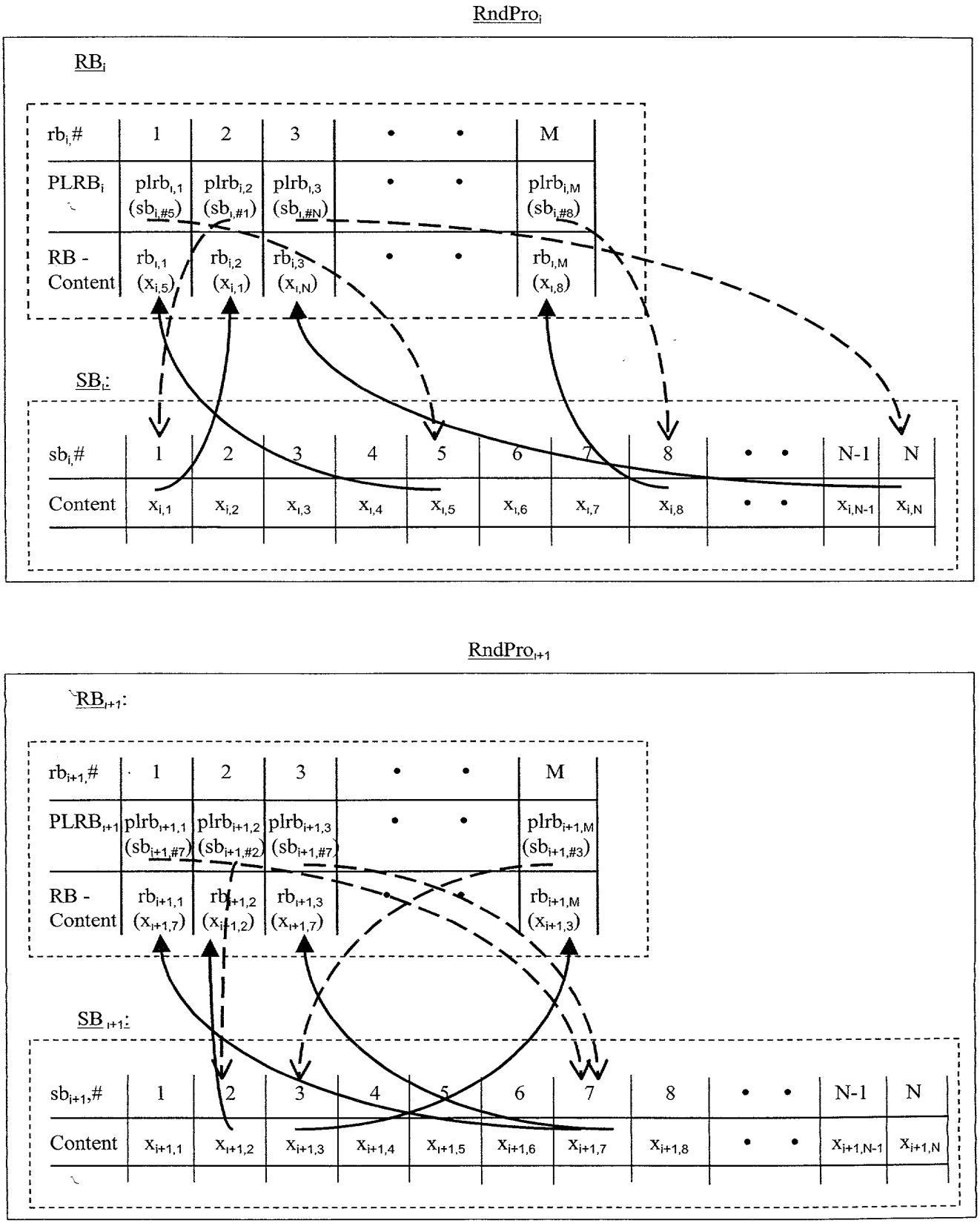
RndPro$_i$
RB$_i$
rb$_i$,#
1
2
3
M
PLRB$_i$
plrb$_{i,1}$ (sb$_{i,\#5}$)
plrb$_{i,2}$ (sb$_{i,\#1}$)
plrb$_{i,3}$ (sb$_{i,\#N}$)
plrb$_{i,M}$ (sb$_{i,\#8}$)
RB - Content
rb$_{i,1}$ (x$_{i,5}$)
rb$_{i,2}$ (x$_{i,1}$)
rb$_{i,3}$ (x$_{i,N}$)
rb$_{i,M}$ (x$_{i,8}$)
SB$_i$:
sb$_i$,#
1
2
3
4
5
6
7
8
N-1
N
Content
x$_{i,1}$
x$_{i,2}$
x$_{i,3}$
x$_{i,4}$
x$_{i,5}$
x$_{i,6}$
x$_{i,7}$
x$_{i,8}$
x$_{i,N-1}$
x$_{i,N}$
RndPro$_{i+1}$
RB$_{i+1}$:
rb$_{i+1}$,#
1
2
3
M
PLRB$_{i+1}$
plrb$_{i+1,1}$ (sb$_{i+1,\#7}$)
plrb$_{i+1,2}$ (sb$_{i+1,\#2}$)
plrb$_{i+1,3}$ (sb$_{i+1,\#7}$)
plrb$_{i+1,M}$ (sb$_{i+1,\#3}$)
RB - Content
rb$_{i+1,1}$ (x$_{i+1,7}$)
rb$_{i+1,2}$ (x$_{i+1,2}$)
rb$_{i+1,3}$ (x$_{i+1,7}$)
rb$_{i+1,M}$ (x$_{i+1,3}$)
SB$_{i+1}$:
sb$_{i+1}$,#
1
2
3
4
5
6
7
8
N-1
N
Content
x$_{i+1,1}$
x$_{i+1,2}$
x$_{i+1,3}$
x$_{i+1,4}$
x$_{i+1,5}$
x$_{i+1,6}$
x$_{i+1,7}$
x$_{i+1,8}$
x$_{i+1,N-1}$
x$_{i+1,N}$

FIG. 4

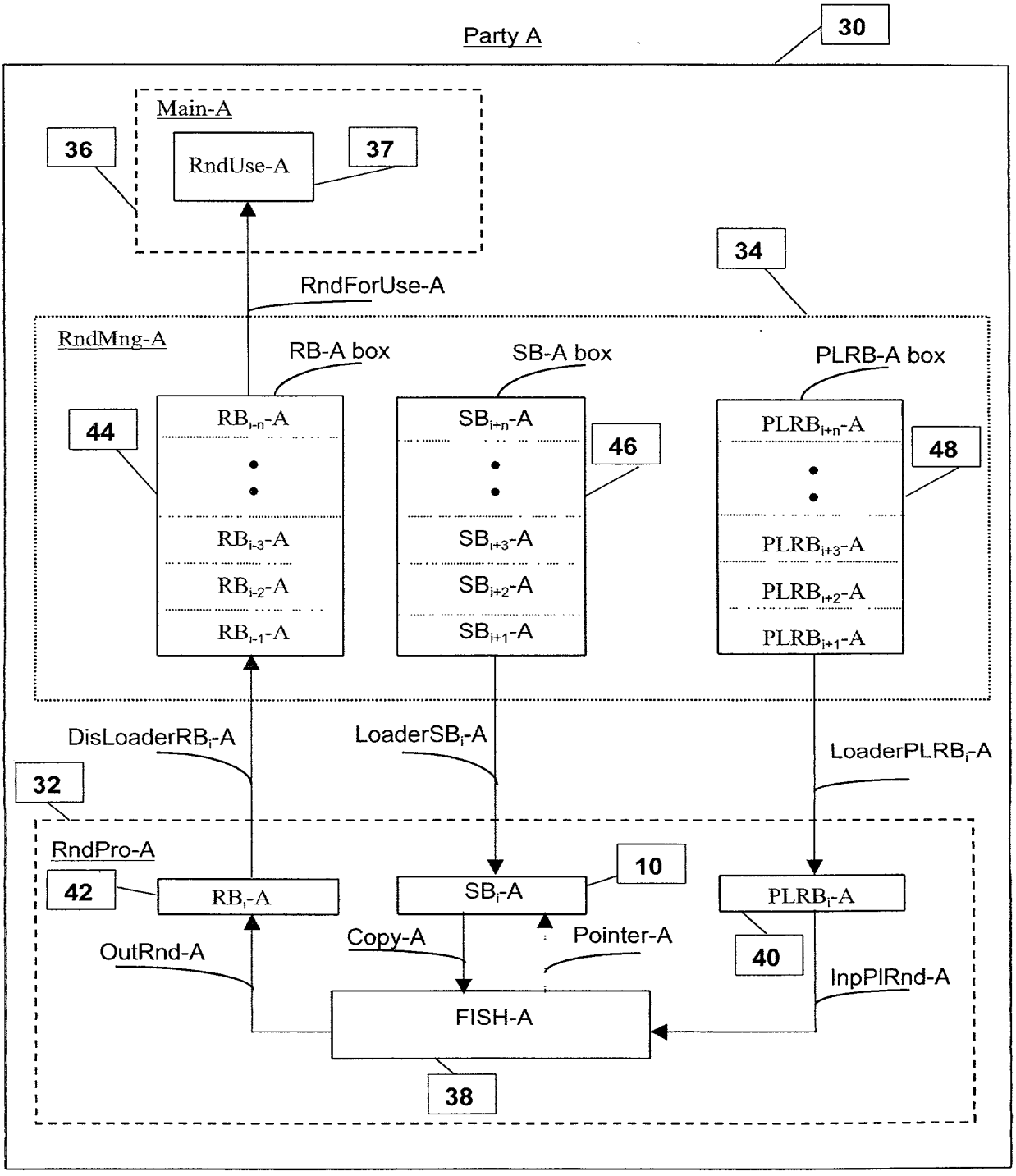
Party A
30
Main-A
36
RndUse-A
37
34
RndForUse-A
RndMng-A
RB-A box
SB-A box
PLRB-A box
44
RB$_{i-n}$-A
SB$_{i+n}$-A
46
PLRB$_{i+n}$-A
48
RB$_{i-3}$-A
RB$_{i-2}$-A
RB$_{i-1}$-A
SB$_{i+3}$-A
SB$_{i+2}$-A
SB$_{i+1}$-A
PLRB$_{i+3}$-A
PLRB$_{i+2}$-A
PLRB$_{i+1}$-A
DisLoaderRB$_i$-A
LoaderSB$_i$-A
LoaderPLRB$_i$-A
32
RndPro-A
42
RB$_i$-A
SB$_i$-A
10
PLRB$_i$-A
Copy-A
Pointer-A
OutRnd-A
40
InpPlRnd-A
FISH-A
38

FIG. 5

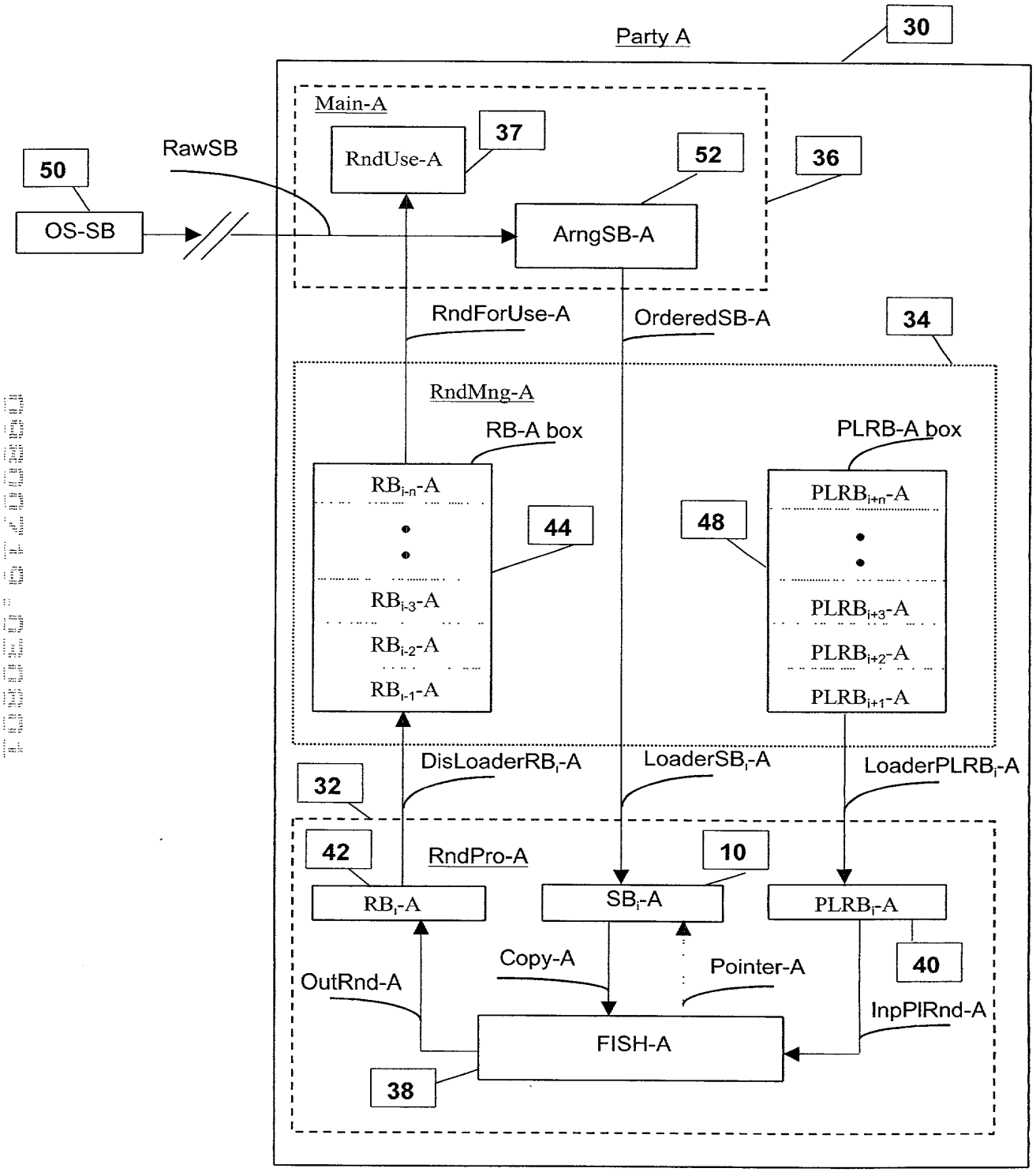

FIG. 6

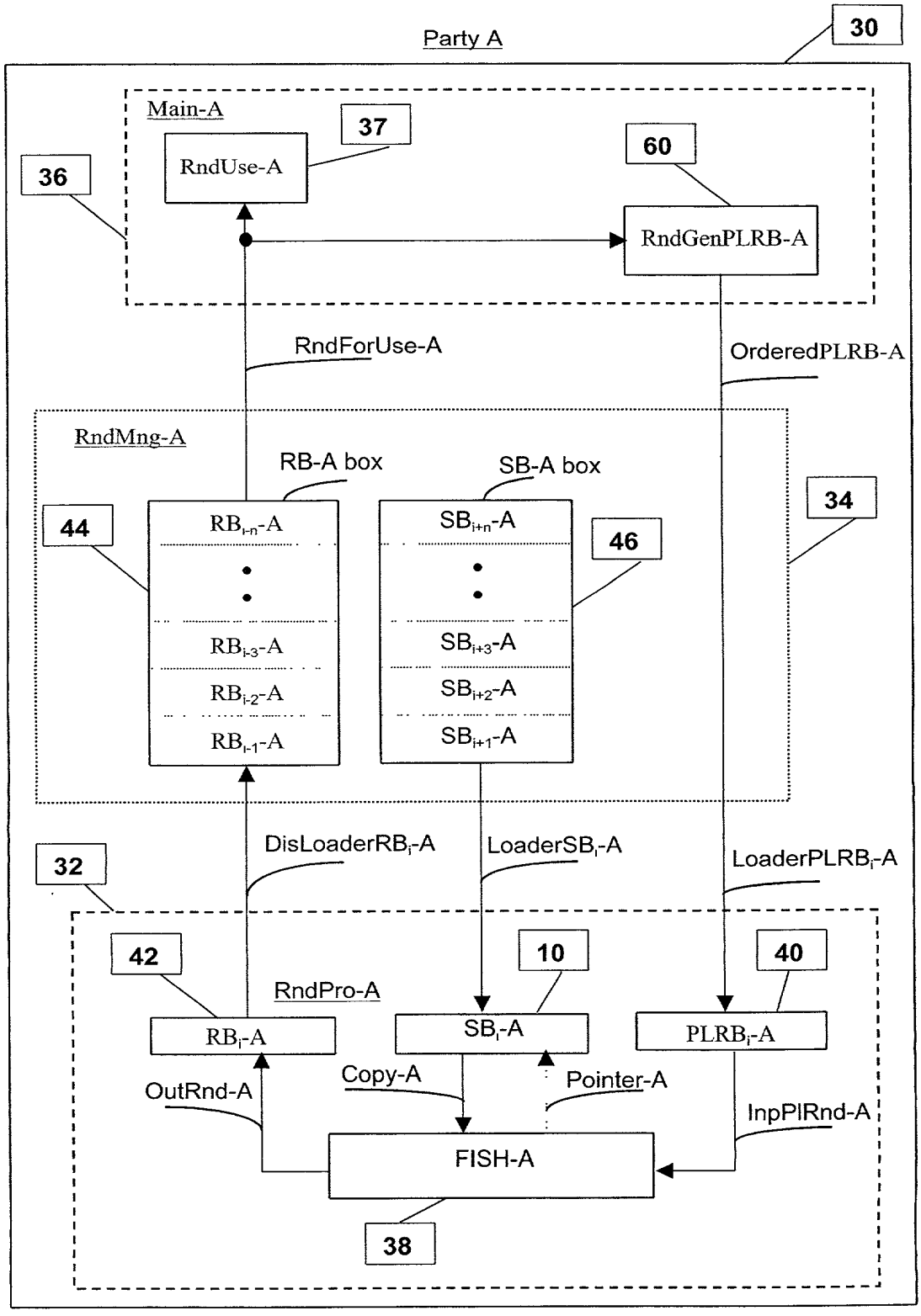
Party A
30
Main-A
37
RndUse-A
36
60
RndGenPLRB-A
RndForUse-A
OrderedPLRB-A
RndMng-A
RB-A box
SB-A box
34
44
RB_{i-n}-A
46
SB_{i+n}-A
RB_{i-3}-A
SB_{i+3}-A
RB_{i-2}-A
SB_{i+2}-A
RB_{i-1}-A
SB_{i+1}-A
$DisLoaderRB_i$-A
$LoaderSB_i$-A
$LoaderPLRB_i$-A
32
42
10
40
RndPro-A
RB_i-A
SB_i-A
$PLRB_i$-A
Copy-A
Pointer-A
OutRnd-A
InpPlRnd-A
FISH-A
38

FIG. 7

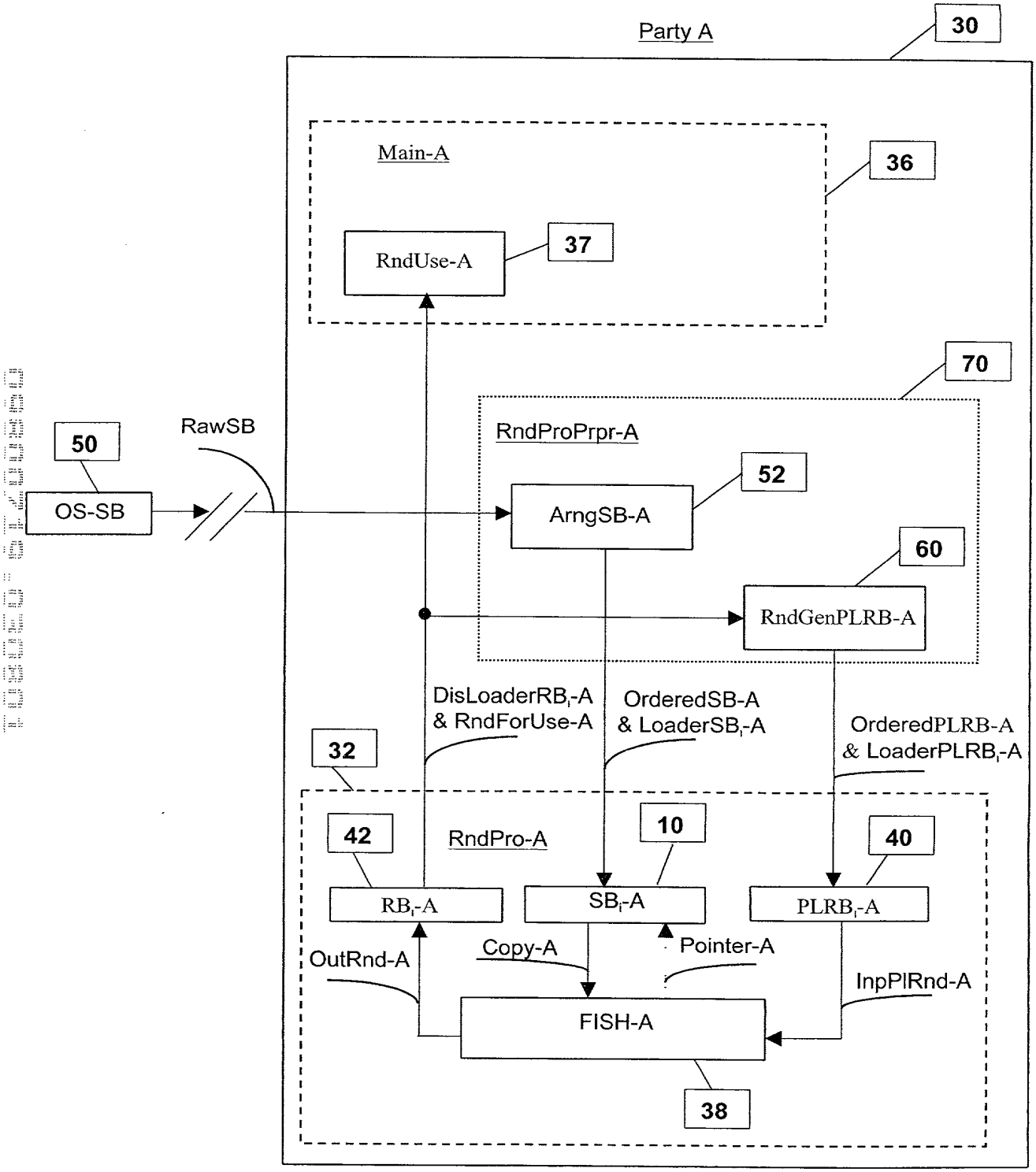
Party A
30
Main-A
36
RndUse-A
37
70
RndProPrpr-A
50
OS-SB
RawSB
52
ArngSB-A
60
RndGenPLRB-A
DisLoaderRB$_i$-A & RndForUse-A
OrderedSB-A & LoaderSB$_i$-A
OrderedPLRB-A & LoaderPLRB$_i$-A
32
42
RndPro-A
10
40
RB$_i$-A
SB$_i$-A
PLRB$_i$-A
OutRnd-A
Copy-A
Pointer-A
InpPlRnd-A
FISH-A
38

FIG. 8

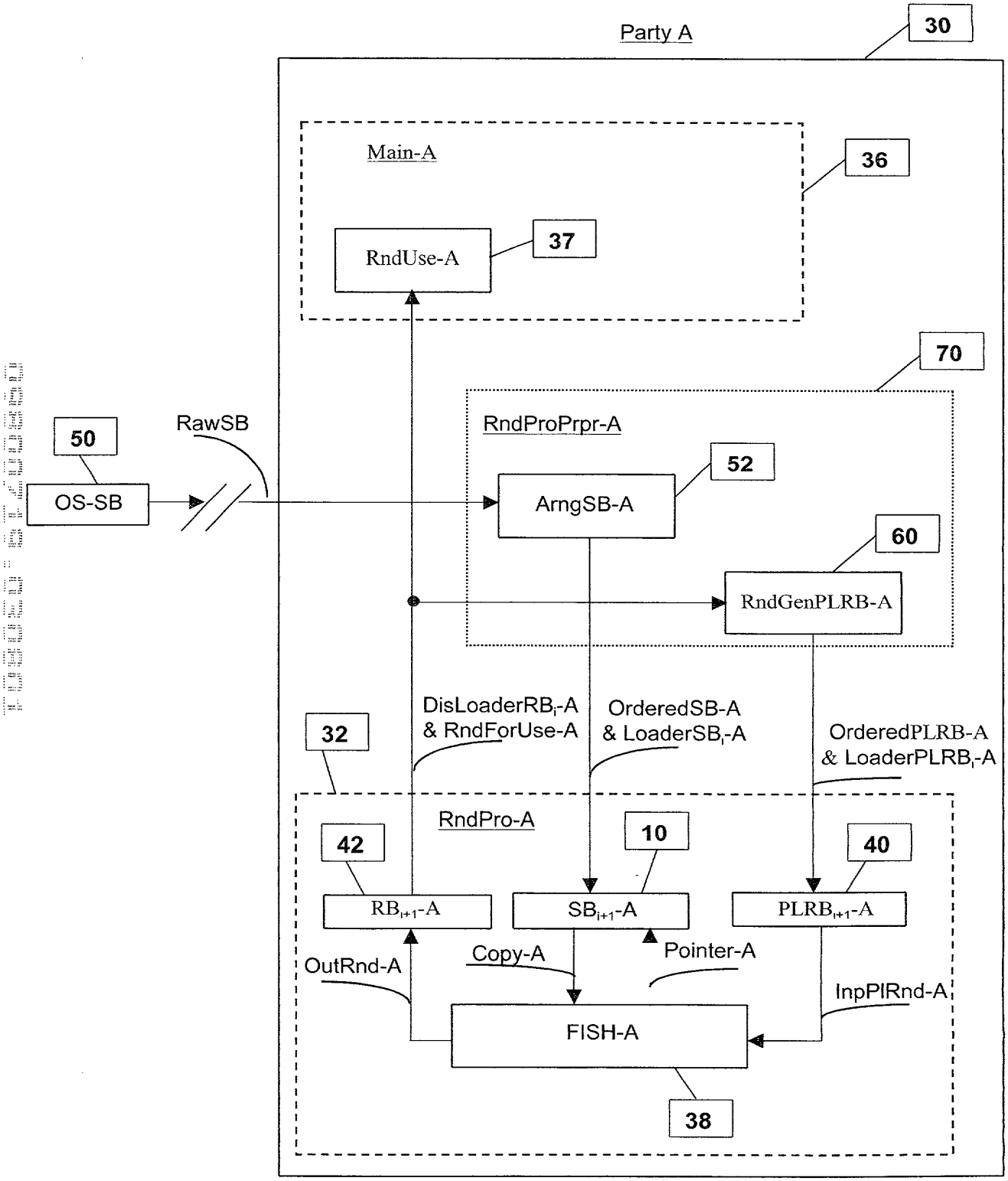
Party A
30
Main-A
36
RndUse-A
37
70
RndProPrpr-A
50
RawSB
OS-SB
52
ArngSB-A
60
RndGenPLRB-A
DisLoaderRB$_i$-A & RndForUse-A
OrderedSB-A & LoaderSB$_i$-A
OrderedPLRB-A & LoaderPLRB$_i$-A
32
RndPro-A
42
10
40
RB$_{i+1}$-A
SB$_{i+1}$-A
PLRB$_{i+1}$-A
Copy-A
Pointer-A
OutRnd-A
InpPlRnd-A
FISH-A
38

FIG. 9

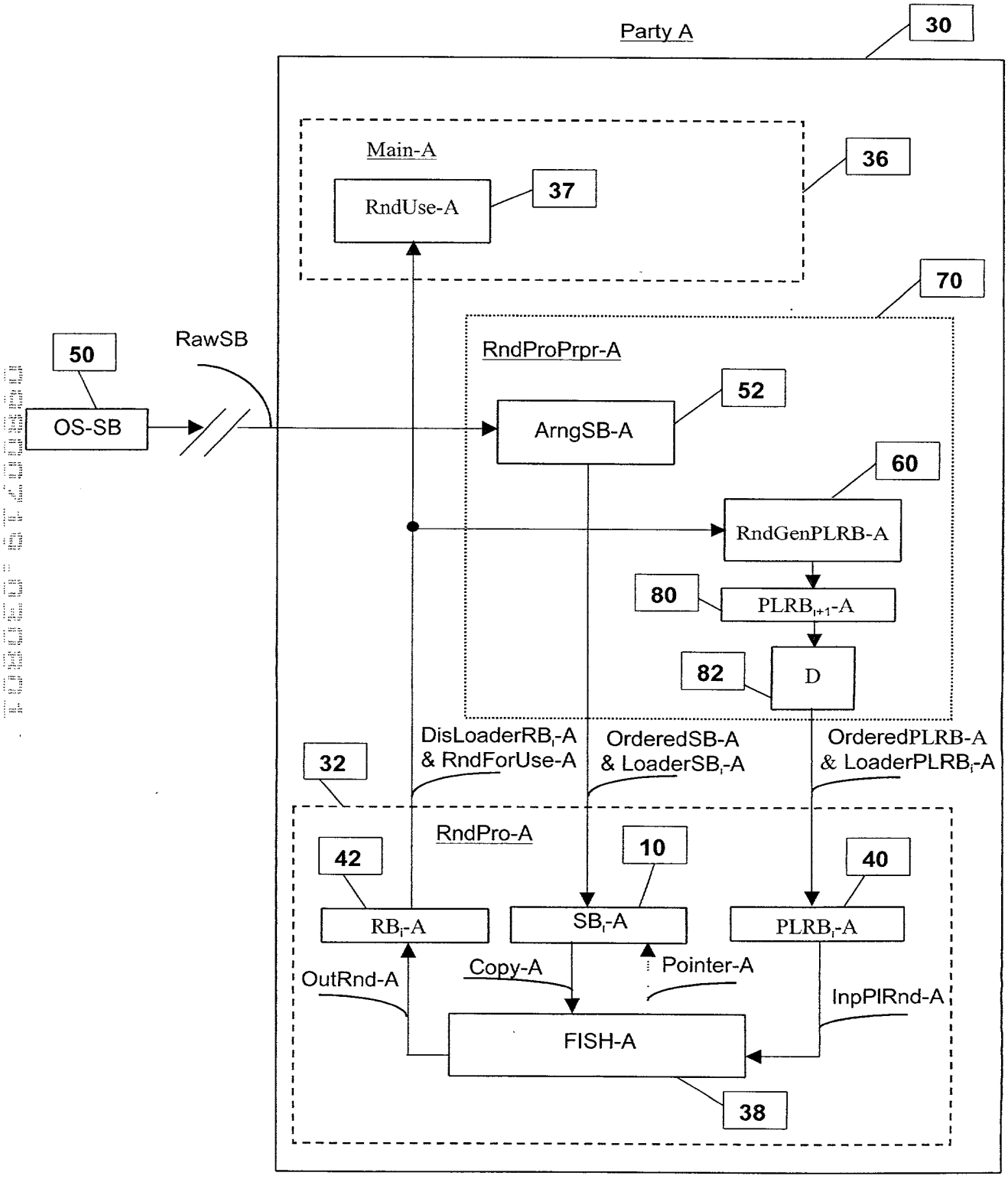
Party A
30
Main-A
36
RndUse-A
37
70
RndProPrpr-A
50
RawSB
OS-SB
52
ArngSB-A
60
RndGenPLRB-A
80
PLRB$_{i+1}$-A
82
D
DisLoaderRB$_i$-A & RndForUse-A
OrderedSB-A & LoaderSB$_i$-A
OrderedPLRB-A & LoaderPLRB$_i$-A
32
RndPro-A
42
10
40
RB$_i$-A
SB$_i$-A
PLRB$_i$-A
OutRnd-A
Copy-A
Pointer-A
InpPIRnd-A
FISH-A
38

FIG. 10

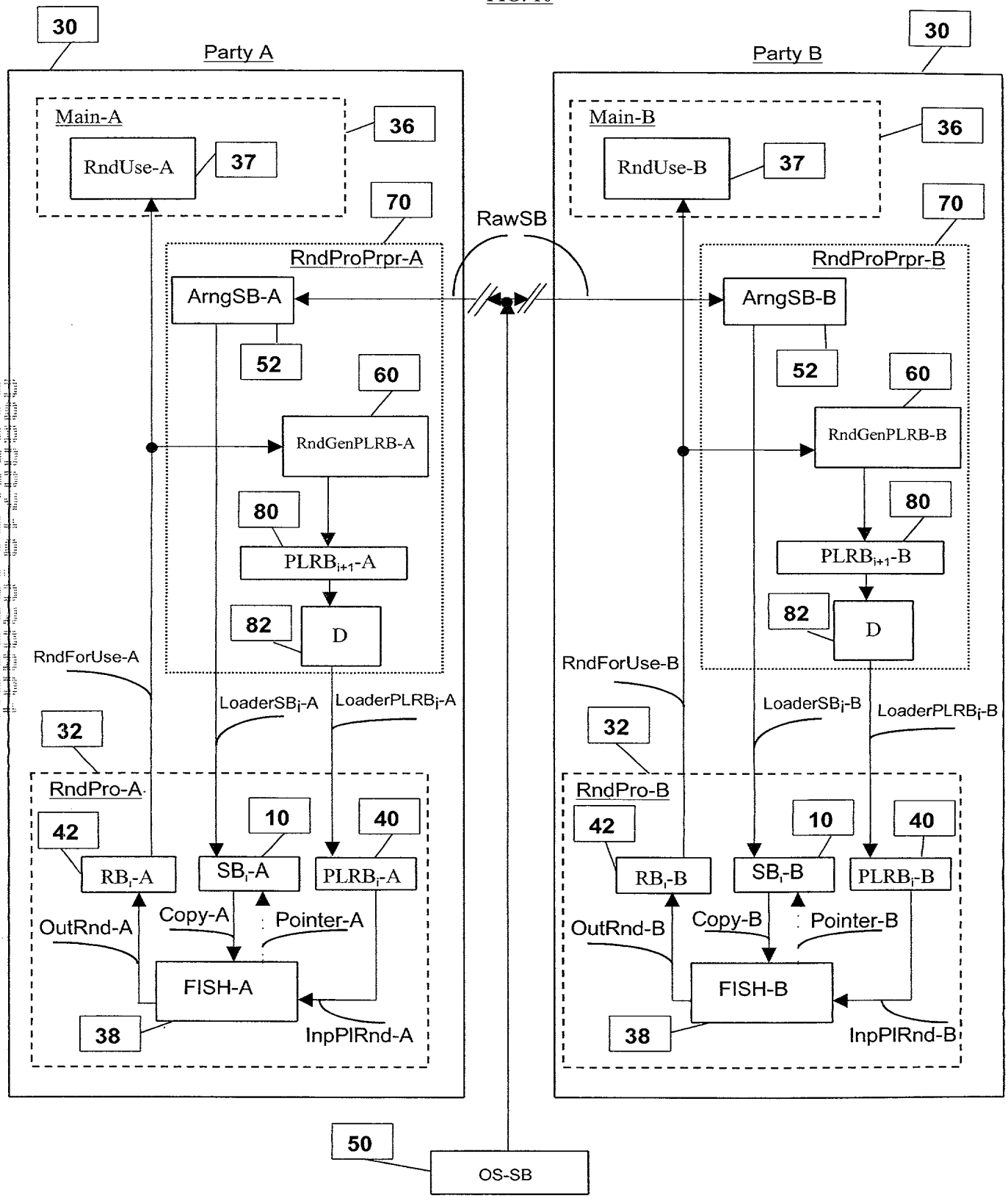
30
Party A
Main-A
36
RndUse-A
37
70
RndProPrpr-A
ArngSB-A
52
60
RndGenPLRB-A
80
PLRB$_{i+1}$-A
82
D
RndForUse-A
LoaderSB$_i$-A
LoaderPLRB$_i$-A
32
RndPro-A
42
10
40
RB$_i$-A
SB$_i$-A
PLRB$_i$-A
OutRnd-A
Copy-A
Pointer-A
FISH-A
38
InpPlRnd-A
RawSB
30
Party B
Main-B
36
RndUse-B
37
70
RndProPrpr-B
ArngSB-B
52
60
RndGenPLRB-B
80
PLRB$_{i+1}$-B
82
D
RndForUse-B
LoaderSB$_i$-B
LoaderPLRB$_i$-B
32
RndPro-B
42
10
40
RB$_i$-B
SB$_i$-B
PLRB$_i$-B
OutRnd-B
Copy-B
Pointer-B
FISH-B
38
InpPlRnd-B
50
OS-SB

FIG. 11

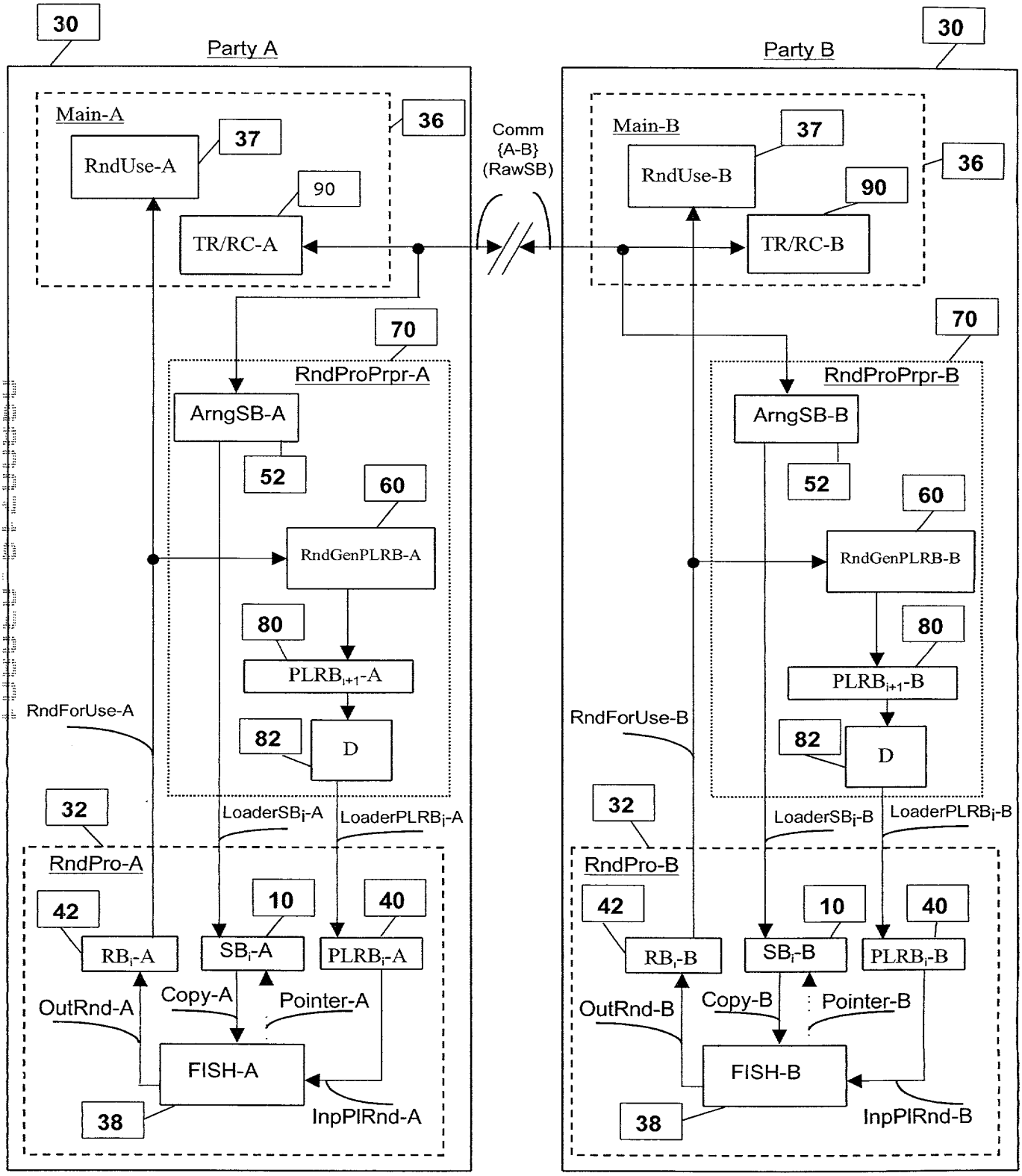
30
Party A
Main-A
36
37
RndUse-A
90
TR/RC-A
Comm
{A-B}
(RawSB)
70
RndProPrpr-A
ArngSB-A
52
60
RndGenPLRB-A
80
PLRB$_{i+1}$-A
82
D
RndForUse-A
32
LoaderSB$_i$-A
LoaderPLRB$_i$-A
RndPro-A
42
10
40
RB$_i$-A
SB$_i$-A
PLRB$_i$-A
OutRnd-A
Copy-A
Pointer-A
FISH-A
38
InpPIRnd-A
30
Party B
Main-B
37
RndUse-B
36
90
TR/RC-B
70
RndProPrpr-B
ArngSB-B
52
60
RndGenPLRB-B
80
PLRB$_{i+1}$-B
82
D
RndForUse-B
32
LoaderSB$_i$-B
LoaderPLRB$_i$-B
RndPro-B
42
10
40
RB$_i$-B
SB$_i$-B
PLRB$_i$-B
OutRnd-B
Copy-B
Pointer-B
FISH-B
38
InpPIRnd-B

FIG. 12

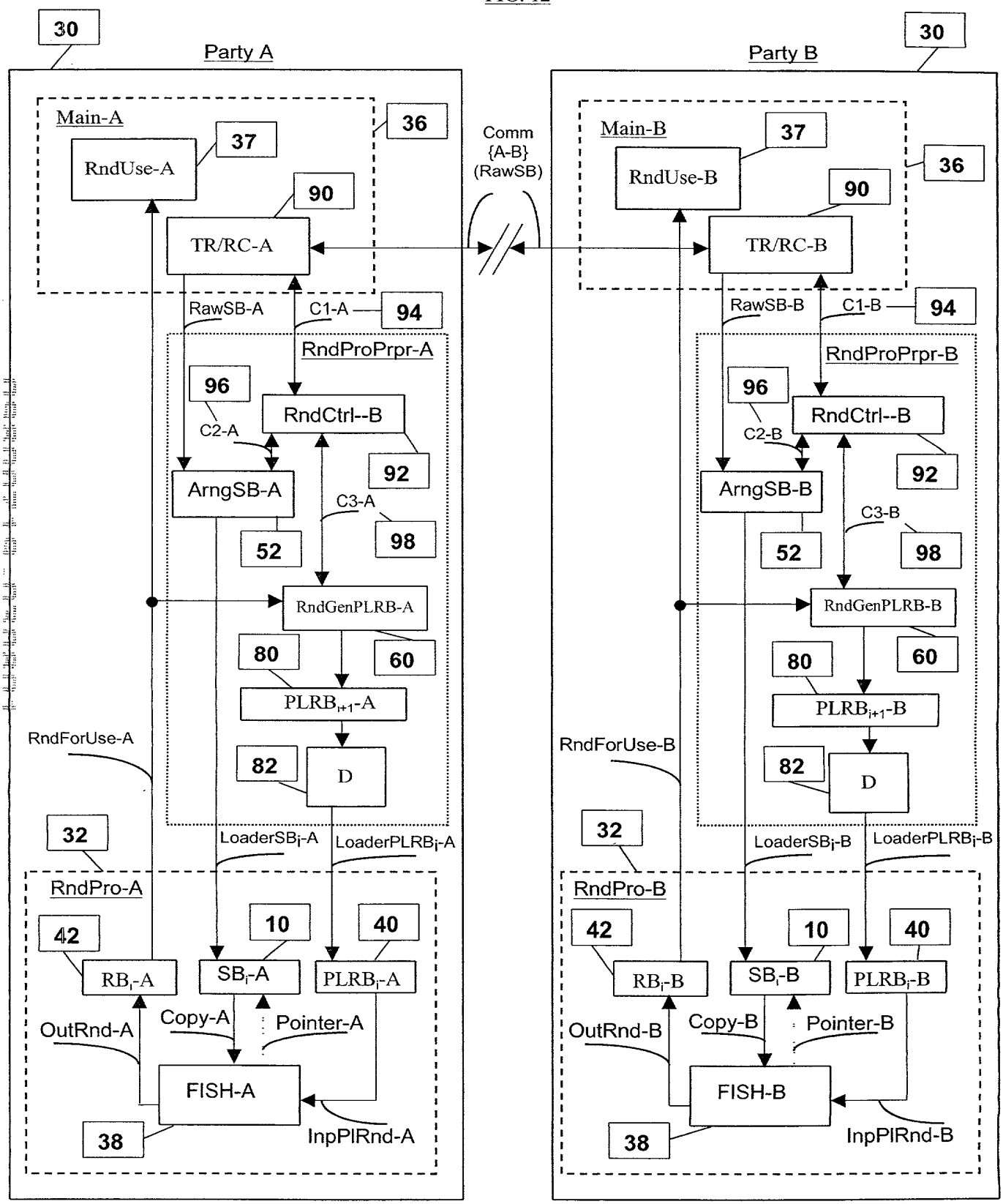
30
Party A
Main-A
36
RndUse-A
37
90
TR/RC-A
Comm
{A-B}
(RawSB)
RawSB-A
C1-A
94
RndProPrpr-A
96
RndCtrl--B
C2-A
92
ArngSB-A
C3-A
52
98
RndGenPLRB-A
80
60
PLRB$_{i+1}$-A
RndForUse-A
82
D
32
LoaderSB$_i$-A
LoaderPLRB$_i$-A
RndPro-A
42
10
40
RB$_i$-A
SB$_i$-A
PLRB$_i$-A
OutRnd-A
Copy-A
Pointer-A
FISH-A
38
InpPlRnd-A
30
Party B
Main-B
37
36
RndUse-B
90
TR/RC-B
RawSB-B
C1-B
94
RndProPrpr-B
96
RndCtrl--B
C2-B
92
ArngSB-B
C3-B
52
98
RndGenPLRB-B
80
60
PLRB$_{i+1}$-B
RndForUse-B
82
D
32
LoaderSB$_i$-B
LoaderPLRB$_i$-B
RndPro-B
42
10
40
RB$_i$-B
SB$_i$-B
PLRB$_i$-B
OutRnd-B
Copy-B
Pointer-B
FISH-B
38
InpPlRnd-B

FIG. 13

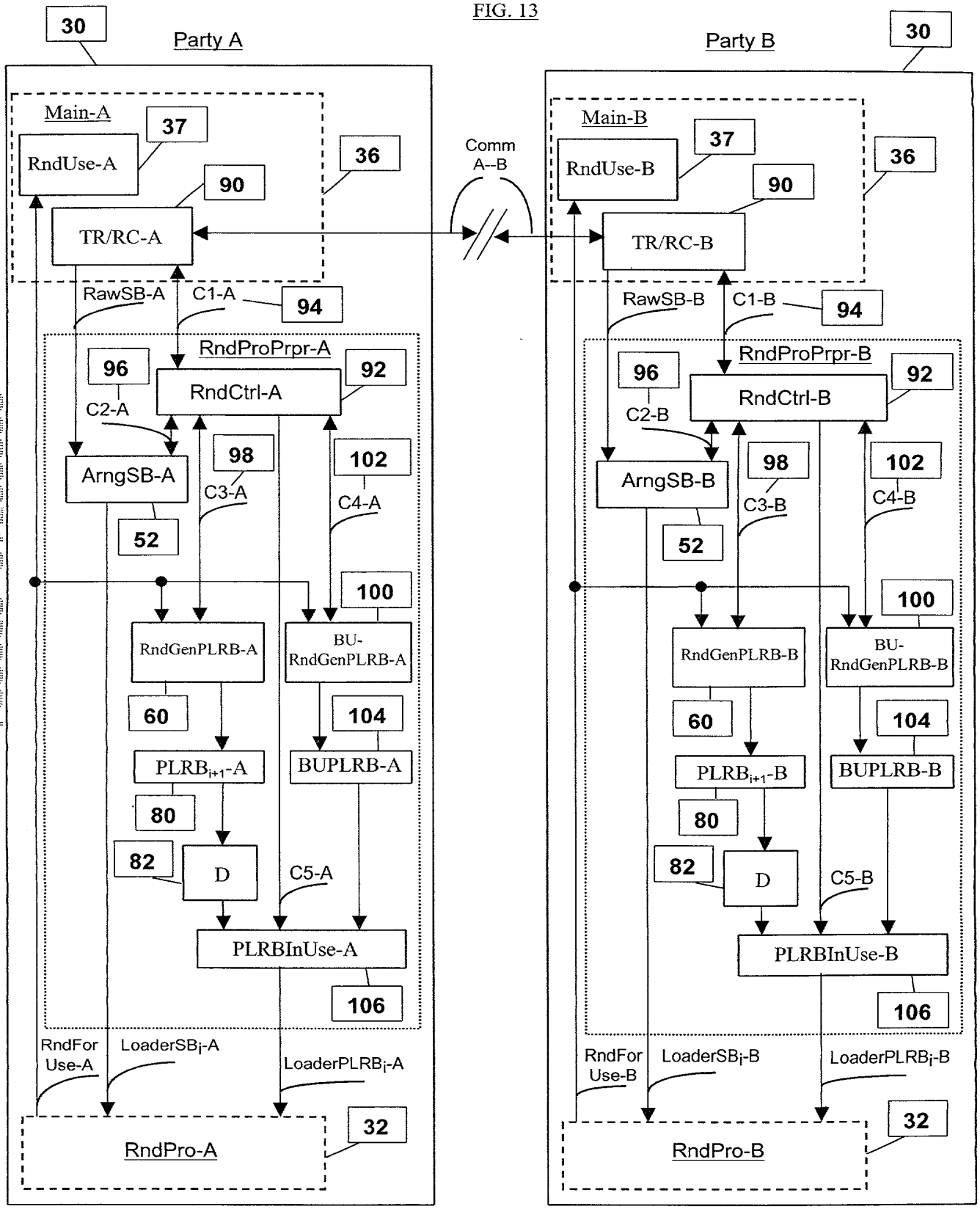
30
Party A
Main-A
37
RndUse-A
36
90
TR/RC-A
Comm
A--B
RawSB-A
C1-A
94
RndProPrpr-A
96
92
RndCtrl-A
C2-A
98
102
ArngSB-A
C3-A
C4-A
52
100
RndGenPLRB-A
BU-
RndGenPLRB-A
60
104
PLRB$_{i+1}$-A
BUPLRB-A
80
82
D
C5-A
PLRBInUse-A
106
RndFor
Use-A
LoaderSB$_i$-A
LoaderPLRB$_i$-A
32
RndPro-A
Party B
30
Main-B
37
RndUse-B
36
90
TR/RC-B
RawSB-B
C1-B
94
RndProPrpr-B
96
92
RndCtrl-B
C2-B
98
102
ArngSB-B
C3-B
C4-B
52
100
RndGenPLRB-B
BU-
RndGenPLRB-B
60
104
PLRB$_{i+1}$-B
BUPLRB-B
80
82
D
C5-B
PLRBInUse-B
106
RndFor
Use-B
LoaderSB$_i$-B
LoaderPLRB$_i$-B
32
RndPro-B

FIG. 14

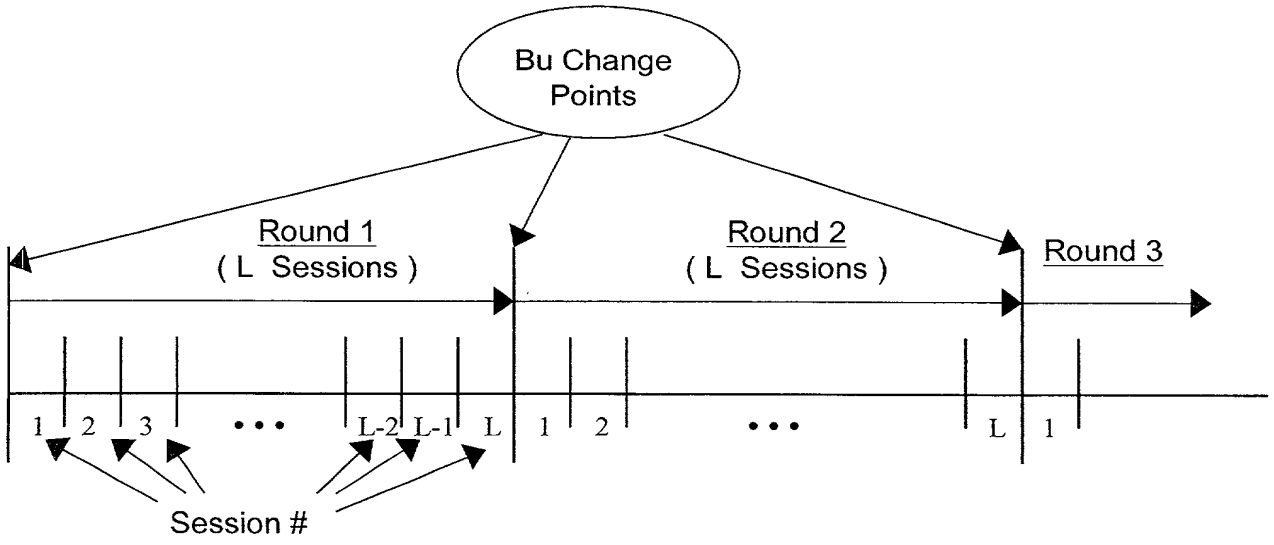
Bu Change Points
Round 1 (L Sessions)
Round 2 (L Sessions)
Round 3
1 2 3 • • • L-2 L-1 L 1 2 • • • L 1
Session #

FIG. 15

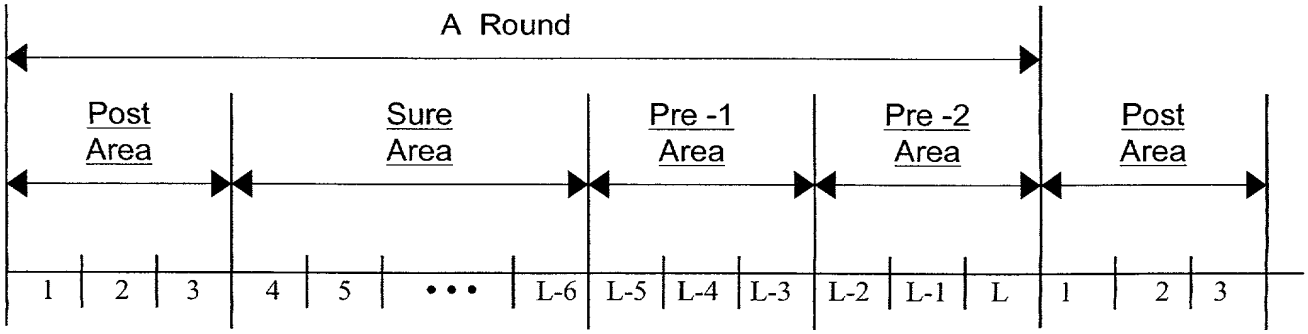
A Round
Post Area
Sure Area
Pre -1 Area
Pre -2 Area
Post Area
1 2 3 4 5 • • • L-6 L-5 L-4 L-3 L-2 L-1 L 1 2 3

FIG. 16

Area	BU in Memory	Dominant		Slave	
		Control Snt	BU Use	Control Rcv.	BU Use
Sure	Current	Curr	Current	N.M	Current
Pre-1	Current	Curr	Current	Curr	Current
				Nxt	Next1
Pre-2	Current	Nxt	Next1	Curr	Current
				Nxt	Next1
Post	Next	Nxt	Next	N.M	Next